

## Patent Abstracts of Japan

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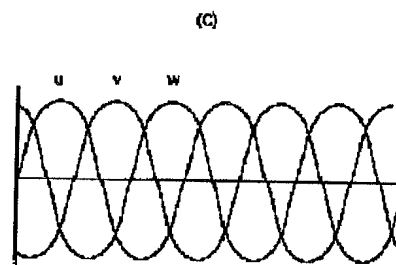
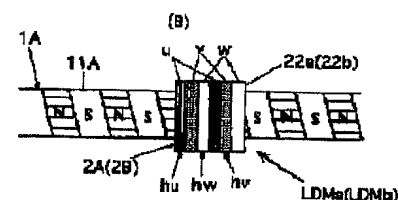
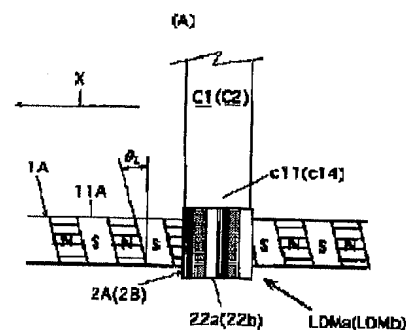
APPLICATION DATE : 25-03-96  
APPLICATION NUMBER : 08068020

APPLICANT : MINOLTA CO LTD;

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TITLE : ONE-SIDED DRIVING DEVICE



**ABSTRACT :** PURPOSE: To make it possible to move a moving member without a delay on the free-end side, by setting a given angle between a magnetic pole arrangement pattern of a stator field magnet and an armature coil arrangement pattern of the moving member in a way that one end part of the moving member joined to the driving member has a larger thrust than the other side thereof.

CONSTITUTION: In a linear motor  $LDM_a$ , an arrangement pattern of an armature coil 22a of a moving member 2A is set vertically to a moving direction (X) of a carriage C1, while an arrangement pattern of a field magnet 11A of a stator 1A is slanted with an angle of  $\theta_1$ . Then, a free end part of the carriage C1 moves without a delay to a one-side end part c11 so that the carriage C1 can move in a correct posture.

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